SEQUENCE LISTING

<110>   Carson, Monica J
        Sutcliffe, J. Gregor
        Almazan, Melissa T.
        Tobal, Gabriela M.

<120>   Gene Expression Modulated By Activation of Microglia Or
        Macrophages

<130>   98,634-A

<150>   US 60/108,259
<151>   1998-11-12

<160>   76

<170>   PatentIn version 3.3

<210>   1
<211>   267
<212>   DNA
<213>   Mus musculus

<400>   1
ccggaggtac gtgagagaat tctgagtggg aggagaacta cagcttaagt ccagccagga   60

gtcaatccag cctgcatgct ctcccctcct ccaccaagac ttctgtttct gctacttttg   120

cttcagaggc cgcctctgcc tcaagcccac ctatcctggg agcaggaata ctggtgtgta   180

catctgtgtt gagtggggaa gacagctgga tggttgtctg tcaacttctg cactttggac   240

attaaacatt ctccacacac cgaaaaa   267

<210>   2
<211>   331
<212>   DNA
<213>   Mus musculus

<400>   2
ccggacaagt gtggccacag gaaaatgact ctgccaccag ttctggcccc cacagtgact   60

gaaggcccca ggaaagaaga caggagtctg tgaagaatgt tttcaaaatg gtgcaataat   120

tgacttattt ccctcgggtc cccactagag gatcgaggct agatgccttg tgagaaatgc   180

ctttgagttt actgtcccca acgttttat aatattgtat ataagactat gaccgattgt   240

atttctataa gggagacgat ggcacctctg ccgcctgctt cgtctttata cgactttttt   300

ttaattaaag ttttggatct ttggagaaaa a   331

1

```
<210>  3
<211>  297
<212>  DNA
<213>  Mus musculus

<400>  3
ccggacgtga ctgtgggtgt tggctggggc attaaaactc atcatcgcca cccatctctg      60

tctctcgtca ccctgatctc cccgcacggt tgtgtccctg gtctggaaca ttagtttttt     120

taaggcaact gtggccaata tttatatcat gacatacaaa tggatttacg tatttgactg     180

aaatgaaagt tccactaaac ggtatttgct cttgtgatat gtggcacatt gtgatatttt     240

cttagtctgt tctgttttat ttaaaaaata aaattgctga tcaagacaga ataaaaa       297


<210>  4
<211>  200
<212>  DNA
<213>  Mus musculus


<220>
<221>  misc_feature
<222>  (22)..(22)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (172)..(172)
<223>  N stands for A, C, G or T

<400>  4
ccggtataca acatccactt tntatttgct ggcaatattg aagaattctt tttgtttgtg      60

taaactctaa tttctatcaa ggtatcatgg gttttaaaa ttagtatttc attacaaatg     120

tctcgatgtt ggttaactaa tttttgccag gaccattatt gatcaaggaa anaaattcaa     180

cagccatttg agaataaaaa                                                 200


<210>  5
<211>  218
<212>  DNA
<213>  Mus musculus

<400>  5
ccggtagcct gtcagctcca tgctaccctg acctgcaact cctcacttcc acactgagaa      60

taataatttg aatgtaacct tgattgttat catcttgacc tagggctgat ttcttgttaa     120

tttcatggat tgagaatgct tagaggtttt gtttgtttgt ttgattgatt tgtttttttg     180

aagaaataaa tgatagatga ataaacttcc aggaaaaa                            218
```

```
<210>  6
<211>  211
<212>  DNA
<213>  Mus musculus

<400>  6
ccggtttaca gctaacatta ctgcaggaca cttattaata cacctaatcg gaggagctac      60

tctagtatta ataaatatta gcccaccaac agctaccatt acatttatta ttttacttct     120

actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca ccctcctagt     180

aagcctatat ctgcatgata atacgtaaaa a                                    211


<210>  7
<211>  229
<212>  DNA
<213>  Mus musculus


<220>
<221>  misc_feature
<222>  (220)..(220)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (228)..(228)
<223>  N stands for A, C, G or T

<400>  7
ccggtttggt catccaacag rgaagaaatg aatatgaaat tccagcaata agaaatgaac      60

aaagattgga gctgaagacc ttaagtgctt gcttttttgcc ctctgaccag ataacattag    120

aactatctgc attatctatg cagcatgggg ttttttattat ttttacctaa agatgtctct    180

ttttggtaat gacaaacgtg ttttttaaga aaaaaacccn aaaaaaanc                 229


<210>  8
<211>  213
<212>  DNA
<213>  Mus musculus

<400>  8
ccggttggca cagccaksra ctgacactgg aataggaatg tgatgggcgt cgcaccctct      60

gtaaatgtgg gaatgtttgt aacttgtgtt tgtatctaat gtcgatcccc ttaggtggtt     120

gtactataat tcatttttgt tgtaaacttc agcctaagat aaatgtacat ctgcttttgt     180

atgcactcat taaacattgt aacagaccaa aaa                                  213
```

3

<210> 9
<211> 355
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (328)..(328)
<223> N stands for A, C, G or T

<400> 9
```
ccggtgagcc tatggactca atgtgaagaa ctgtggagcc cagtccaccc ctctacacca      60

ggaccctgtc cctgcactgc tcggtcttcc cttccgcagc caaccttgct ggttcagcca     120

aacactgagg gacatctgta gcctgtcagc tccatgctac cctgacctgc aactcctcac     180

ttccacactg agaataataa tttgaatgta accttgattg ttatcatctt gacctaaggc     240

tgatttcttg ttaatttcat ggattgagaa tgcttagagg ttttgtctgt ttgtttgatt     300

gatttgtttt tttgaagaaa taaatganag atgaataaac tcccaaaatg aaaaa          355
```


<210> 10
<211> 360
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (84)..(84)
<223> N stands for A, C, G or T

<400> 10
```
ccggtgtgcc gcaacgacat tgcctggaac tttgagaagt tcctggtggg ccccgacggt      60

gttcccgtgc gcaggtacag tcgncgcttt cgtaccatcg acatcgaacc tgacatagaa     120

accctgctgt cccagcagtc tggcaactcc taaggcggcc ctggcattgg cttggtgatt     180

actggctgca ctctgggggg cggttcttcc atgatggtgt ttcctctaaa tttgcacgga     240

gaaacacctg atttccagga aaatcccctc agatgggcgc tggtcccatc cattcccgat     300

gcctttccac ctaatgaaag gtggtttcac tactaagaat aaagtgctga atgtcaaaaa     360
```


<210> 11
<211> 361
<212> DNA
<213> Mus musculus

<400> 11
```
ccggtcatgt attgtatcca tgcattatat tcagataacc acaacagctg ctaatgcttg      60
```

4

```
attatattct  cagggactgc  atgcaatgta  acattactgg  ttggttctgc  caattttcct      120

cttggtattt  ataaaggaaa  accaaaactc  ttggtcagag  acaatatgca  aaacagagat      180

gtcaagtact  atgtccaaat  actgtgaaat  atagtgagaa  ataggtaaca  aatttatcaa      240

tcaactatgt  ttggatccag  ggaatctcaa  gttattcaat  tcattctctg  taagcctttg      300

tctctctctt  catccagact  tttgccttca  aatacaagca  tgcgctattt  tctgggaaaa      360

a                                                                           361


<210>  12
<211>  245
<212>  DNA
<213>  Mus musculus

<400>  12
ccggtcttaa  cagaggactc  cttacactcc  taactgtgat  cacagacaag  aaataccttc       60

cgaagtgctc  tgtagatttt  tttgatgaat  gttttatgct  tgcatttaaa  cctgaaatgt      120

gtgagcagaa  tgagacaatc  tttacaatca  gaattgagaa  gtgttacaat  tgaatggcct      180

tgtgctgtag  caataaaatg  accaagtgca  atgactttaa  taaaatcatc  cttcaaacgc      240

aaaaa                                                                       245


<210>  13
<211>  264
<212>  DNA
<213>  Mus musculus

<400>  13
ccggtcggtt  tgcccagatc  gkacagaaag  gagggcagta  ggccatacct  tagaatgaca       60

gaagaccaaa  agacttgtta  ccaagcagat  tgaatggcca  gtggtgaaag  acctgccaac      120

ctgtcaggtt  agcgtcaggc  agttacaaag  tctgttggtg  ttaaaaagta  acagagcaaa      180

tgttcaaaag  tgaaatttta  tttatgggaa  ttcagtgatt  ccaacttgta  tcacaccagt      240

taataaatgt  gaagtcttca  aaaa                                                264


<210>  14
<211>  192
<212>  DNA
<213>  Mus musculus

<400>  14
ccgggttgca  cctattgcat  gtacttttgg  cctgactgga  agaaacaaaa  ttggtttact       60

ttcatatcct  tcaaaagtta  cagaactgtg  tcttaagaga  attatttata  gttactataa      120
```

5

```
ctgaattgac  aaatgtcgac  ttaactgata  aattatattt  ggtaaaataa  aatggaagtt        180

tatttcgaaa  aa                                                                 192


<210>  15
<211>  375
<212>  DNA
<213>  Mus musculus

<400>  15
ccgggttcaa  ccgcgtgaag  gtttcccagg  cagctgcaga  cttgaaacag  ttctgtccgc         60

agaatgctca  acatgaccct  ctgctgactg  gagtgtcttc  aagtacgaat  cccttcagac        120

cccagaaagt  ctgctccttt  ttgtagtcac  ctatcttgag  gtttctcaaa  ccacttttca        180

tgaaccagtg  aatattcaag  agaactaaat  ttgaagtctg  tacaaaagct  tctctttaac        240

acgtgccata  atacactatc  ttctgctcgt  cagtccttaa  catctacctc  tctgaatttc        300

atggatttct  gtctcacaag  gtttaactat  tttatataca  ctggctgtag  catacaataa        360

agcatcatac  aaaaa                                                             375


<210>  16
<211>  397
<212>  DNA
<213>  Mus musculus


<220>
<221>  misc_feature
<222>  (385)..(385)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (387)..(387)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (391)..(391)
<223>  N stands for A, C, G or T

<400>  16
ccggggctgg  tgaagtacat  gaactcgggg  cccgtggtgg  ccatggtctg  ggagggggctc        60

aatgtggtga  aaacgggccg  agtgatgctg  ggggagacca  atccagctga  ttcaaaacca        120

ggcaccatcc  gtggggattt  ctgcattcaa  gttggcagga  acatcattca  tggcagtgat        180

tcagtggaga  gtgctgagaa  agagatccat  ctgtggttta  agcccgaaga  actgatcgac        240
```

6

```
tacaagtctt gtgcccatga ctgggtgtac gagtagacat gaagaaacca gaatcctttt        300

cagcactact gatgggtttc tggacagagc tcttcatccc actgacagga tggatcatct        360

tttctaaaac aataaagact ttggnantga ntaaaaa                                  397


<210>  17
<211>  231
<212>  DNA
<213>  Mus musculus

<400>  17
ccgggcatgg tggcgcacgk stttaatccc agcacttggg aggcaggcar agataggcgg         60

atttctgagt ttgaggccag cctggtctac agagtgagtt cgaggacaac cagggctaca        120

cagagaaacc ctgtctcgaa aaccaaaaac aaaaaaaaaa gaactccagt taagacttct        180

aataccaaat tctcttgcaa gttatgaaaa taaagtatat aaamcgaaaa a                 231


<210>  18
<211>  317
<212>  DNA
<213>  Mus musculus

<400>  18
ccggaagtgt gtcagagtgc agacagacag tctctcagct ctgtactgtg agacagatgt         60

gctgtggagt gctgcttatg gggagaatgt gctgaaaaaa gcatgagcct tcctgccaag        120

gattgctgac aaactgctct tgattgtttc tttaaggaac tgctttctct ccctgactcc        180

tctgctcatc ctagccatac aattttccag tcagcaaacc tcattactaa tcatgtaggg        240

aatggagctt aaagcagaca gagcaccttt tgatcacatt tttttctct gcaataaatg         300

acaactccca acaaaaa                                                        317


<210>  19
<211>  232
<212>  DNA
<213>  Mus musculus

<400>  19
ccgggcgtgg tggcgcacgk skttaatccc agcacttggg aggcaggcag agataggcgg         60

atttctgagt ttgaggccag cctggtctac agagtgagtt cgaggacaac cagggctaca        120

cagagaaacc ctgtctcgag aaccaaaaac aaaaaaaaag aactccagtt aagacttcta        180

ataccaaatt ctcttgcaag ttatgaaaat aaagtatata aaaggacaaa aa                232


<210>  20
```

7

<211> 211
<212> DNA
<213> Mus musculus

<400> 20
ccggcataca gctaacatta ctgcaggaca cttattaata cacctaatcg gaggagctac   60

tctagtatta ataaatatta gcccaccaac agctaccatt acatttatta ttttacttct   120

actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca ccctcctagt   180

aagcctatat ctacatgata atacacaaaa a   211

<210> 21
<211> 216
<212> DNA
<213> Mus musculus

<400> 21
ccggcggcca cccaacaact ttgtacattt ctcattctgt agcgtttgtc atgaaattgc   60

ttctccagtc taacccgcct gatgtgcatc tactatttcc aggagagtct gctcccagac   120

actctgcctt tccctccaaa accctctcac tcccagctcg tgcaaactgg ttacacagca   180

gaaacgcaaa ataaagaggt ggctttcgca taaaaa   216

<210> 22
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (72)..(72)
<223> N stands for A, C, G or T

<220>
<221> misc_feature
<222> (110)..(110)
<223> N stands for A, C, G or T

<220>
<221> misc_feature
<222> (179)..(179)
<223> N stands for A, C, G or T

<220>
<221> misc_feature
<222> (231)..(231)
<223> N stands for A, C, G or T

<220>
<221> misc_feature

```
<222>  (267)..(267)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (272)..(272)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (284)..(284)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (305)..(305)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (330)..(330)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (357)..(357)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (364)..(364)
<223>  N stands for A, C, G or T

<220>
<221>  misc_feature
<222>  (375)..(375)
<223>  N stands for A, C, G or T

<400>  22
ccggcccctg acaccatctg gagtgccttt tctgtgtctt caccagcagt agtgctggag     60

accatcaagc angctgagag gtgccatcag caccgcacac tggttctaan gctgtacgag    120

gctcatggca gccatgtgga ctgctggctg cacacgtcgt tgcctgttca ggaggccanc    180

ctttgtgacc tcctggagca gcgagacccc actggtcacc tttccctcca ngacaaccgt    240

ctgaagctca cttttctcc cttccangtg anatccctat tgcntgtgct tcagtctcca     300

ccaanctgag tcgtgactgg atagctttgn ggagttcctc atttccacct ccctatnccc    360

ggtngcatct ttgtnctgta                                                380


<210>  23
<211>  348
<212>  DNA
```

<213> Mus musculus

<400> 23
```
ccggatcatc cagcgggctg agagacttgg tggggcagga ggtgctctac aggctgaccc      60

agcgagaact gtgagcactt tgtgaatgaa ctacgctatg gagttcctcg gagtgatcag     120

gtcagagatg cggtcaaggc ggtaggcatc gctggagtgg gcttggcggc cttgggcctc     180

gttggagtca tgctctccag aaacaagaaa cagaagcaat gagctgaatg actgcccagt     240

ttttgggctc ctcttttgct agagggtttg gagtttgatt tatagattct attgctttat     300

aattaggttt attttcacaa catacaataa accacaagaa aggaaaaa                  348
```


<210> 24
<211> 335
<212> DNA
<213> Mus musculus

<400> 24
```
cggatggcaa ccagatgatt gctcaccact cctctcttcc aaagaacact ctatgaatct      60

agtggaaaca tttctgcaca aactagatgt tgatgccagt gtgcggaaat gcttctgcta     120

catttgtagg gtttgcctgc attctttgga tcctgcatta gcaagtgaag gtagcacata     180

tatctggggc gttttctgtg tttattggtg taaatttcaa ttttacagtt gaaattttat     240

gtttgtgatg cttggatatt ttccttgaaa tgtataaaca tgtaaaaatt agattactgc     300

ctgtaataaa ataattcgat gactatctgg aaaaa                                335
```


<210> 25
<211> 191
<212> DNA
<213> Mus musculus

<400> 25
```
cggcgggccc atcggaggac agacgagagt gactctgcgc aatgagcaca tgcagtacat      60

cctacctggt acggactgtg tgcggccaca tcatatttgt ggttccaaaa atttgtacgt     120

cggacaccca tcatgtgaag taaggagcct gttcccaaca accataaaat aaagatcttg     180

ctatgcaaaa a                                                          191
```


<210> 26
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of ARtificial Sequence: cDNA anchor primer

```
<220>
<221>  misc_feature
<222>  (46)..(46)
<223>  V stands for A, C or G

<220>
<221>  misc_feature
<222>  (47)..(48)
<223>  N stands for A, C, G or T

<400>  26
gaattcaact ggaagcggcc gcaggaattt ttttttttt tttttvnn                      48


<210>  27
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence: 5' RT primer

<400>  27
aggtcgacgg tatcgg                                                         16


<210>  28
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer


<220>
<221>  misc_feature
<222>  (16)..(16)
<223>  N stands for A, C, G or T

<400>  28
ggtcgacggt atcggn                                                         16


<210>  29
<211>  15
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  universal 3' PCR primer

<400>  29
gagctccacc gcggt                                                          15
```

11

```
<210>  30
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer


<220>
<221>  misc_feature
<222>  (13)..(16)
<223>  N stands for A, C, G or T

<400>  30
cgacggtatc ggnnnn                                                   16


<210>  31
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing
       bases G-T-T-C

<400>  31
cgacggtatc gggttc                                                   16


<210>  32
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing
       bases G-T-T-G

<400>  32
cgacggtatc gggttg                                                   16


<210>  33
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing
       bases A-A-G-T

<400>  33
cgacggtatc ggaagt                                                   16
```

12

```
<210> 34
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
      bases A-G-G-T

<400> 34
cgacggtatc ggaggt                                                    16


<210> 35
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
      bases A-C-A-A

<400> 35
cgacggtatc ggacaa                                                    16


<210> 36
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
      bases T-A-T-A

<400> 36
cgacggtatc ggtata                                                    16


<210> 37
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
      bases T-T-G-G

<400> 37
cgacggtatc ggttgg                                                    16


<210> 38
<211> 16
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing
       bases T-G-T-G

<400>  38
cgacggtatc ggtgtg                                              16


<210>  39
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing
       bases T-C-A-T

<400>  39
cgacggtatc ggtcat                                              16


<210>  40
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing
       bases T-C-G-G

<400>  40
cgacggtatc ggtcgg                                              16


<210>  41
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_11

<400>  41
gatcgaatcc ggaggtacgt gagagaattc                               30


<210>  42
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_12
```

14

```
<400>  42
gatcgaatcc ggacaagtgt ggccacagga                                              30


<210>  43
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_13

<400>  43
gatcgaatcc ggacgtgact gtgggtgttg                                              30


<210>  44
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_14

<400>  44
gatcgaatcc ggtatacaac atccacttta                                              30


<210>  45
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_15

<400>  45
gatcgaatcc ggtagcctgt cagctccatg                                              30


<210>  46
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_16

<400>  46
gatcgaatcc ggtttacagc taacattact                                              30


<210>  47
```

```
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_17

<400>  47
gatcgaatcc ggtttggtca tccaacaggg                                          30


<210>  48
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_18

<400>  48
gatcgaatcc ggttggcaca gccatcaact                                          30


<210>  49
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_19

<400>  49
gatcgaatcc ggtgagccta tggactcaat                                          30


<210>  50
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_20

<400>  50
gatcgaatcc ggtgtgccgc aacgacattg                                          30


<210>  51
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
```

16

<223> Description of Artificial Sequence: extended TOGA primer for
      clone MM_21

<400> 51
gatcgaatcc ggtcatgtat tgtatccatg   30

<210> 52
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
      clone MM_22

<400> 52
gatcgaatcc ggtcttaaca gaggactcct   30

<210> 53
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
      clone MM_23

<400> 53
gatcgaatcc ggtcggtttg cccagatcgt   30

<210> 54
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
      clone MM_26

<400> 54
gatcgaatcc gggttgcacc tattgcatgt   30

<210> 55
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
      clone MM_27

<400> 55
gatcgaatcc gggttcaacc gcgtgaaggt   30

```
<210>  56
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_28

<400>  56
gatcgaatcc ggggctggtg aagtacatga                                    30


<210>  57
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_29

<400>  57
gatcgaatcc gggcatggtg gcgcacgggt                                    30


<210>  58
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_3

<400>  58
gatcgaatcc ggaagtgtgt cagagtgcag                                    30


<210>  59
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for
       clone MM_30

<400>  59
gatcgaatcc gggcgtggtg gcgcacgggg                                    30


<210>  60
<211>  30
<212>  DNA
```

<210> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_32

<400> 60
gatcgaatcc ggcatacagc taacattact   30

<210> 61
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_38

<400> 61
gatcgaatcc ggcggccacc caacaacttt   30

<210> 62
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_40

<400> 62
gatcgaatcc ggcccctgac accatctgga   30

<210> 63
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_7

<400> 63
gatcgaatcc ggatcatcca gcgggctgag   30

<210> 64
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_6

<400> 64
gatcgaatcc ggatggcaac cagatgattg   30

<210> 65
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
      clone MM_37

<400> 65
gatcgaatcc ggcgggccca tcggaggaca   30

<210> 66
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
      clone MM_9

<400> 66
gatcgaatcc ggagtccagt ggcctcccca   30

<210> 67
<211> 252
<212> DNA
<213> Mus musculus

<400> 67
atggccgagc ttggtgaagc ggacgaagcg gagttacaac gcctggtggc cgccgaacag   60

cagaaggcgc aattcactgc gcaggtgcat cacttcatgg aactatgttg ggataagtgt   120

gtggagaagc caggaagtcg gctagactcc cgcactgaaa actgcctctc tagctgtgtg   180

gatcgcttca ttgacactac tcttgccatc accggtcggt ttgcccagat cgtacagaaa   240

ggagggcagt ag   252

<210> 68
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: cloning primer for MM_23

<400> 68

atggccgagc ttggtgaagc ggac   24

<210> 69
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: cloning primer for MM_23

<400> 69
ctgccctcct ttctgtacga tctg   24

<210> 70
<211> 252
<212> DNA
<213> Mus musculus

<400> 70
taccggctcg aaccacttcg cctgcttcgc ctcaatgttg cggaccaccg gcggcttgtc   60

gtcttccgcg ttaagtgacg cgtccacgta gtgaagtacc ttgatacaac cctattcaca   120

cacctcttcg gtccttcagc cgatctgagg gcgtgacttt tgacggagag atcgacacac   180

ctagcgaagt aactgtgatg agaacggtag tggccagcca aacgggtcta gcatgtcttt   240

cctcccgtca tc   252

<210> 71
<211> 83
<212> PRT
<213> Mus musculus

<400> 71

Met Ala Glu Leu Gly Glu Ala Asp Glu Ala Glu Leu Gln Arg Leu Val
1   5   10   15

Ala Ala Glu Gln Gln Lys Ala Gln Phe Thr Ala Gln Val His His Phe
            20   25   30

Met Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro Gly Ser Arg Leu
        35   40   45

Asp Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val Asp Arg Phe Ile
    50   55   60

Asp Thr Thr Leu Ala Ile Thr Gly Arg Phe Ala Gln Ile Val Gln Lys
65   70   75   80

Gly Gly Gln

<210> 72
<211> 249
<212> DNA
<213> Mus musculus

<400> 72
gccgagcttg gtgaagcgga cgaagcggag ttacaacgcc tggtggccgc cgaacagcag   60

aaggcgcaat tcactgcgca ggtgcatcac ttcatggaac tatgttggga taagtgtgtg   120

gagaagccag gaagtcggct agactcccgc actgaaaact gcctctctag ctgtgtggat   180

cgcttcattg acactactct tgccatcacc ggtcggtttg cccagatcgt acagaaagga   240

gggcagtag   249

<210> 73
<211> 82
<212> PRT
<213> Mus musculus

<400> 73

Ala Glu Leu Gly Glu Ala Asp Glu Ala Glu Leu Gln Arg Leu Val Ala
1   5   10   15

Ala Glu Gln Gln Lys Ala Gln Phe Thr Ala Gln Val His His Phe Met
            20   25   30

Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro Gly Ser Arg Leu Asp
        35   40   45

Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val Asp Arg Phe Ile Asp
    50   55   60

Thr Thr Leu Ala Ile Thr Gly Arg Phe Ala Gln Ile Val Gln Lys Gly
65   70   75   80

Gly Gln

<210> 74
<211> 97
<212> PRT

22

<213>   Homo sapiens

<400>   74

Met Asp Ser Ser Ser Ser Ser Ser Ala Ala Gly Leu Gly Ala Val Asp
1   5   10   15

Pro Gln Leu Gln His Phe Ile Glu Val Glu Thr Gln Lys Gln Arg Phe
                20   25   30

Gln Gln Leu Val His Gln Met Thr Glu Leu Cys Trp Glu Lys Cys Met
            35   40   45

Asp Lys Pro Gly Pro Lys Leu Asp Ser Arg Ala Glu Ala Cys Phe Val
        50   55   60

Asn Cys Val Glu Arg Phe Ile Asp Thr Ser Gln Phe Ile Leu Asn Arg
65   70   75   80

Leu Glu Gln Thr Gln Lys Ser Lys Pro Val Phe Ser Glu Ser Leu Ser
                85   90   95

Asp

<210>   75
<211>   98
<212>   PRT
<213>   Schizosaccharomyces pombe

<400>   75

Met Ala Asp Ala Thr Lys Asn Pro Ile Ala Asp Leu Ser Glu Ser Glu
1   5   10   15

Gln Leu Glu Leu Ser Lys Phe Ile Glu Ser Glu Gln Gln Lys Val Lys
                20   25   30

Leu Gln Gln Ala Thr His Gln Phe Thr Ser Thr Cys Trp Pro Lys Cys
            35   40   45

Ile Gly Asn Ile Gly Asn Lys Leu Asp Lys Ser Glu Glu Gln Cys Leu
        50   55   60

Gln Asn Cys Val Glu Arg Phe Leu Asp Cys Asn Phe His Ile Ile Lys
65   70   75   80

23

Arg Tyr Ala Leu Glu Lys Phe Gly Phe Leu Phe Cys Trp Leu Gly Phe
              85   90   95

Ser Cys

<210> 76
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> Xaa can be any naturally occurring amino acid

<400> 76

Pro Gly Trp Pro Pro Ser Gln Pro Glu Gly Arg Ser Leu Xaa Ala Gln
1   5   10   15

Val His His Phe Met Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro
              20   25   30

Gly Asn Arg Leu Asp Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val
              35   40   45

Asp Arg Phe Ile Asp Thr Thr Leu Ala Ile Thr Ser Arg Phe Ala Gln
    50   55   60

Ile Val Gln Lys Gly Gly Gln
65   70